

# **Patent**

10/644141

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

	)	
In re Application of: THIRUMOORTHY	) Examiner: Not yet assigned	
Serial No.: Not yet assigned	Group Art Unit: Not yet assigned	
Filing Date: Filed herewith	Docket No.: P16467	
For: ADAPTIVE SCALING AND ECHO REDUCTION	) ) ) )	

# MS PATENT APPLICATION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

Sir:

Transmitted herewith for filing under 35 USC 111(a) and 37 CFR 1.53(b) is a new utility patent application for an invention entitled: ADAPTIVE SCALINGAND ECHO REDUCTION

and invented by: THIRUMOORTHY

#### Enclosed are:

- 1. Filing Fee as calculated and transmitted as described below
- 2. Specification having 23 pages and including the following:
  - a. Descriptive Title of the Invention
  - b. 

    Cross references to Related Applications (if applicable)
  - c. 

    Statement Regarding Federally-sponsored Research/Development

Attorney Docket No.: P16467

		d.   Reference to Microfiche Appendix (if applicable)						
		e.		Background o	f the Invention			
		f.	f. D Brief Summary of the Invention					
		g.	g.					
		h.	h.  Detailed Description					
		i.		Claim(s) as Cl	lassified Below			
		j.	$\overline{\mathbf{V}}$	Abstract of the	e Disclosure			
3.	abla	Dra	awii	ng(s) (when nece	ssary as prescribed by 35 USC 113)			
		a.	$\overline{\mathbf{V}}$	Formal	Number of Sheets 6			
		b.		Informal	Number of Sheets			
4.	☑	Oa	Oath or Declaration					
		a.		Newly execute	ed (original or copy)	☐ Unexecuted		
		b.		Copy from a p	prior application (37 CFR 1.63	(d))		
		c.		With Power of	fAttorney	☐ Without Power of Attorney		
		d.		Signed statem	OF INVENTOR(S) ent attached deleting inventor(0.63(d)(2) and 1.33(b).	(s) named in the Prior Application,		
5.		Incorporation By Reference (usable if Box 4b is checked)  The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.						
6.		Assignment Papers (cover sheet & documents(s))						
7.		37 CFR 3.73(B) Statement (when there is an assignee)						
8.		English Translation Document (if applicable)						
9.		Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations						
10.		Preliminary Amendment						
11.	Ø	Acknowledgement Postcard						
12.		Ma	ilec	l Via				
			Firs	t Class	☑ Express Mail (Specify Laber	l No.) EV334067849US		
13.		Certified Copy of Priority Document(s) (if foreign priority is claimed)				ority is claimed)		
14.		Request and Certification under 35 USC 122(b)(2)(B)(i) (attach PTO/SB/35)						
15.		Additional Enclosures: Credit Card Payment Form						

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## FEE CALCULATION

For	No. Filed	No. Allowed	No. Extra	Rate	Fee
Total Claims	30	- 20	10	\$ 18.00	\$ 180.00
Indep. Claims	6	- 3	3	\$ 84.00	\$ 252.00
Multiple Depend		\$ 0.00			
	\$ 750.00				
OTHER FEE (		\$ 0.00			
	\$1,182.00				

Credit Card Authorization for \$1,182.00 and \$40.00 are enclosed.

The Commissioner is hereby authorized to charge and credit Deposit Account No. <u>50-1852</u> as described below. A duplicate copy of this sheet is enclosed.

☑ Credit any overpayment.

☑ Charge any additional fees required under 37 CFR 1.16 and 1.17.

Respectfully submitted,

August 20, 2003

Date

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